Other Defense Activities
Office of Environment, Safety and Health

Overview

Appropriation Summary by Program

(dollars in thousands)

	FY 2004 Comparable Appropriation	FY 2005 Original Appropriation	FY 2005 Adjustments		FY 2005 Comparable Appropriation	FY 2006 Request	
Other Defense Activities							
Environment, Safety & Health (defense)	120,213	109,105	-753	[a]	108,352	56,483	[b]
Program Direction	22,953	20,414	-163	[a]	20,251	20,546	
Subtotal, Other Defense Activities	143,166	129,519	-916		128,603	77,029	
Use of Prior Year Balances	-500	-15,000	0		-15,000	0	
Total, Other Defense Activities	142,666	114,519	-916		113,603	77,029	
Energy Supply							
Environment, Safety & Health (non-defense)	6,867	8,000	-64	[a]	7,936	9,100	
Program Direction	15,697	20,000	-158	[a]	19,842	20,900	
Subtotal, Energy Supply	22,564	28,000	-222		27,778	30,000	
Use of Prior Year Balances	0	-285	0		-285	0	
Total, Energy Supply	22,564	27,715	-222		27,493	30,000	
Total, Energy Supply and Other Defense Activities	165,230	142,234	-1,138		141,096	107,029	

[a] Reflects distribution of 0.80% rescission required by the FY 2005 Consolidated Appropriations Act.
[b] The Employee Compensation Program will be funded in FY 2006 using prior-year carryover.

Preface

The Office of Environment, Safety and Health (EH) is committed to ensuring that the safety and health of the DOE workforce and members of the public, and the protection of the environment are integrated into all Departmental activities.

Within the Other Defense Activities Appropriation, the Office of Environment, Safety and Health has two programs: Environment, Safety and Health Programs (three subprograms) and Program Direction (three subprograms).

This overview will describe Strategic Context, Mission, Benefits and Significant Program Shifts. These items together put this appropriation in perspective.

Strategic Context

Following publication of the Administration's National Energy Policy, the Department developed a Strategic Plan that defines its mission, four strategic goals for accomplishing that mission, and seven general goals to support the strategic goals. As stated in the Departmental Strategic Plan, DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission. The Office of Environment, Safety and Health performs critical functions which directly support the mission of the Department. These functions include:

- Environment – Ensure the protection of the environmental resources affected by DOE activities.

- Safety – Operate to industry standards where they are relevant and available and provide regulations for those operations that are unique to DOE; perform at a level equal to or better than private industry.

- Health – Improve DOE health protection programs through medical surveillance to identify potential health issues, health studies to understand cause, and policies and programs to protect the safety and health of workers at DOE facilities and the communities that surround them.

- Corporate Performance Assessment – Provide environment, safety and health performance evaluation and measures to ensure DOE's ES&H goals are accomplished and focus resources and senior management attention on significant and emerging issues. Ensure operating experience/lessons learned are identified and shared throughout the DOE to continuously improve performance and prevent adverse events from recurring. Provide the corporate framework to ensure quality assurance is properly applied to all DOE operations and that work is performed safely and reliably. Provide the necessary policy, guidance, and corporate direction.

- Nuclear/Occupational Safety and Health Enforcement – Carry out the statutory mandate of the Atomic Energy Act to enforce compliance with nuclear safety regulations as well as new occupational safety and health regulations.

Mission

The mission of the Office of Environment, Safety and Health is to provide the corporate leadership, performance goals, assistance, policies, programs and feedback to enable the Department of Energy to excel in mission performance while achieving excellence in safety and environmental stewardship.

Following publication of the Administration's National Energy Policy, the Department developed a Strategic Plan that defines its mission, four strategic goals for accomplishing that mission, and seven general goals to support the strategic goals.

As stated in the Departmental Strategic Plan, DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission. Environment, Safety and Health performs critical functions which directly support the mission of the Department. These functions include providing technical support and assistance; assessing performance; ensuring quality assurance is properly applied; developing corporate policy, guidance, rules, orders and standards; and supporting an effective collaborative radiological and non radiological health studies program.

Benefits

DOE works to identify health concerns, investigate health effects from similar operations, integrate new occupational health understanding into DOE operations, and support the Department of Labor in implementing the Energy Employees Occupational Illness Compensation Program Act. EH leverages its resources and personnel to provide DOE's line management programs with essential environment, safety and health performance expectations: environment, safety and health performance measures and analysis; management tools to promote the safe conduct of work, including the Department's Quality Assurance Program; and guidance for the protection of the environment in and around DOE sites. Integral to the Department's success is EH's skill in fostering increased awareness and providing support to line management throughout the Department, using open communications, coordinating with other industry and governmental organizations, and performance feedback on environmental, safety, and health activities, to provide the safety infrastructure that allows for and promotes the safe and environmentally responsible conduct of work.

Significant Program Shifts

Environment, Safety and Health significant program shifts are as follows:

- In FY 2006, the Office of Environmental Management will transfer the management of HEPA filter testing services responsibilities to the Office of Environment, Safety and Health. This Quality Assurance function ensures that high efficiency particulate filters used at DOE's nuclear facilities meet strict criteria to ensure public and worker safety.

Other Defense Activities
Office of Environment, Safety and Health

Funding by Site by Program

(dollars in thousands)

	FY 2004	FY 2005	FY 2006	$ Change	% Change
Chicago Operations Office					
Argonne National Lab	50	0	0	0	0.0%
Brookhaven Nat'l Laboratory	120	65	65	0	0.0%
Lawrence Berkeley Nat'l Lab	310	540	540	0	0.0%
Chicago Operations Office	14,198	10,350	10,200	-150	-1.4%
Total, Chicago Operations Office	14,678	10,955	10,805	-150	-1.4%
Idaho Operations Office					
Idaho National Laboratory	135	95	95	0	0.0%
Idaho Operations Office	7,299	7,480	7,000	-480	-6.4%
Total, Idaho Operations Office	7,434	7,575	7,095	-480	-6.3%
Nevada Site Office	5,950	3,030	3,030	0	0.0%
NNSA Service Center					
Sandia National Laboratory	118	165	155	-10	-6.1%
Kansas City Plant	70	70	70	0	0.0%
Los Alamos National Laboratory	248	326	326	0	0.0%
Lawrence Livermore National Laboratory	1,815	3,120	3,370	+250	+8.0%
Pantex, LLC	50	90	90	0	0.0%
NNSA Service Center	886	2,650	0	-2,650	-100.0%
Total, NNSA Service Center	3,187	6,421	4,011	-2,410	-37.5%
Oak Ridge Operations Office					
East Tennessee Technology Park (K25)	15	20	20	0	0.0%
Oak Ridge Institute for Science and Ed.	3,155	1,770	1,770	0	0.0%
Oak Ridge Nat'l Laboratory	2,516	460	460	0	0.0%
Y-12 Site Office	0	30	30	0	0.0%
Pacific Northwest Nat'l Laboratory	575	779	719	-60	-7.7%
Oak Ridge Operations Office	2,717	4,975	775	-4,200	-84.4%
Total, Oak Ridge Operations Office	8,978	8,034	3,774	-4,260	-53.0%
Ohio Field Office	160	370	70	-300	-81.1%
Richland Operations Office					
Hanford Site	200	100	200	+100	+100.0%
AdvancedMed - Hanford	120	110	110	0	0.0%
Richland Operations Office	1,745	1,700	300	-1,400	-82.4%
Total, Richland Operations Office	2,065	1,910	610	-1,300	-68.1%

	(dollars in thousands)				
	FY 2004	FY 2005	FY 2006	$ Change	% Change
Rocky Flats Field Office	683	770	0	-770	-100.0%
Savannah River Operations Office	1,755	3,370	120	-3,250	-96.4%
Washington Headquarters					
Program Direction	19,938	17,231	17,526	+295	+1.7%
Other Washington Headquarters	78,338	68,937	29,988	-38,949	-56.5%
Total Washington Headquarters	98,276	86,168	47,514	-38,654	-44.9%
Total, Other Defense Activities	143,166	128,603	77,029	-51,574	-40.1%

Site Description

Chicago Operations Office

Chicago Operations Office, Chicago, Illinois, is responsible for overseeing the operation of contractor-operated, multi-program laboratories such as Argonne National Laboratory and Brookhaven National Laboratory.

Chicago Operations Office provides services that support the implementation and maintenance of cooperative agreements for the Former Worker Program as well as support for international health studies. In addition, this site researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

Brookhaven National Laboratory

Brookhaven National Laboratory (BNL) is located in Upton, New York, on Long Island. As a non-defense research institution, BNL is dedicated to basic and applied investigation in a multitude of scientific disciplines. BNL also provides specialized subject matter technical expertise in conducting reviews of safety analysis and risk assessment documents such as Safety Analysis Reports (SARs) and Basis for Interim Operations (BIO). BNL provides specialized technical expertise input to be used by the Federal staff to develop rules, orders, safety guides, and standards. These documents may include SARs, technical safety requirements, waste disposal standards, fire protection standards, lightning and wind protection standards, and facility operation. In addition, Brookhaven participates in the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data in support of the Office of Health.

Lawrence Berkeley National Laboratory

Lawrence Berkeley National Laboratory, Berkeley, California, pursues basic and applied research that advances the frontiers of science and solves a broad spectrum of national problems. It is a multi-program laboratory that serves the Nation's needs in technologies and environment, safety and health activities. The site provides continuous public access to an organized, well-documented, retrievable collection of DOE health effects information through an electronic data base, the Comprehensive Epidemiologic Data Resources (CEDR). In addition, this site researches and provides employee employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

Idaho Operations Office

Idaho Operations Office, Idaho Falls, Idaho, executes a multi-program mission, and leverages the Idaho National Laboratory's expertise with emerging technology to meet the Nation's needs. The Radiological and Environmental Sciences Laboratory, which administers the DOE Worker Dosimetry Laboratory Accreditation Program, administratively reports to the Idaho Operations Office. The Analytical Services Program (ASP) provides support for development of a web based reporting system in support of the Department of Energy's Consolidated Audit Program. This site conducts DOE-wide performance evaluation and accreditation programs, provides technical support and measurement quality assurance methodologies to strengthen programs. These programs provide for technically and legally defensible results of such measurements. In addition, this site researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

Idaho National Laboratory

The Idaho National Laboratory (INL) located in Idaho Falls, executes multi-program missions and leverages expertise with emerging technology to meet the Nation's needs. INL participates in the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data in support of the Office of Health.

Nevada Site Office

The Nevada Test Site implements DOE initiatives in stockpile stewardship, crisis management, waste management, environment, safety, and health management and programs, as well as supporting other DOE programs. The Nevada Test Site provides technical support to the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data, in support of the Office of Health. In addition, this site researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

National Nuclear Security Administration Service Center

This site provides liaison between the National Nuclear Security Administration service center and the site contractor. In addition, this site researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

Sandia National Laboratories

Sandia National Laboratories' main laboratory is located on Kirtland Air Force Base in Albuquerque, New Mexico. Sandia provides specialized technical expertise in the evaluation of long-term dry storage of K-Basin Spent Nuclear Fuel, taking into account the associated physical and chemical changes. Sandia also provides specialized technical expertise in the development of software for radiological hazard analyses at DOE facilities. This site ensures that effective safety policies and procedures guide the operations of DOE facilities. Sandia also provides technical support to the Illness and Injury Surveillance program through collection and transmission of worker health, exposure, and demographic data, in support of the Office of Health.

Kansas City Plant

This facility produces or procures non-nuclear electronics, electromechanical, mechanical, plastic, and non-fissionable metal components for DOE's National Defense mission. Kansas City Plant participates in the Illness and Injury Surveillance Program through the collection and transmission or worker health and demographic data, in support of the Office of Health.

Los Alamos National Laboratory

Los Alamos National Laboratory (LANL) is located in Los Alamos County, northwest of Santa Fe, New Mexico. Its major activities include research and development, nuclear weapons safety, and environmental restoration. Los Alamos National Laboratory participates in the Illness and Injury Surveillance Program through the collection and transmission of worker health and demographic data in support of the Office of Health.

Lawrence Livermore National Laboratory

Lawrence Livermore National Laboratory, (LLNL), located in California's Tri-Valley region east of San Francisco, supports the Marshall Islands program by providing environmental sampling and analysis to determine the radiological conditions at the affected atolls and performs epidemiological site surveillance. LLNL provides software quality assurance expertise support to maintain the code registry that is important for nuclear safety analysis throughout the complex. Lawrence Livermore supports the development of Software Quality Assurance documentation for EPICode. EPICode is a software tool used by nuclear analysts to determine potential accident consequences for nuclear facility operation. This project will upgrade the software quality assurance to ensure that the results obtained from these calculations are accurate for DOE facilities. Lawrence Livermore also participates in the Illness and Injury Surveillance Program through the collection and transmission of worker health and demographic data, in support of the Office of Health.

Pantex Site Office

The National Nuclear Security Administration Pantex Site Office manages the Pantex Plant, a 10,500-acre site, located approximately 17 miles northeast of Amarillo, Texas. The Pantex Site provides technical support to the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data, in support of the Office of Health.

Oak Ridge Operations Office

Oak Ridge Operations Office, Oak Ridge, Tennessee, is responsible for research and development, defense programs, environmental management, and environment, safety, and health activities. There are three major plant complexes on the Oak Ridge Reservation: Oak Ridge National Laboratory; Y-12 Plant; and the East Tennessee Technology Park, as well as the Oak Ridge Institute for Science and Education and the American Museum of Science and Energy. This site ensures that environmental analytical data is of high quality and reliability and assures that analytical data is technically defensible. The program conducts consolidated audits that also include DOE on-site laboratories to demonstrate a fair and equitable selection among laboratories selected for environmental analytical service contracts. In addition, this site researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

East Tennessee Technology Park (K25)

This site is located in the East Tennessee Technology Park on the Oak Ridge Reservation and is responsible for research and development, defense programs, environmental management, and environment, safety and health activities. Bechtel Jacobs (K25) participates in the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data in support of the Office of Health.

Oak Ridge Associated Universities/Oak Ridge Institute for Science and Education (ORISE)

The Oak Ridge Institute for Science and Education (ORISE) is a U.S. Department of Energy facility, located on a 150-acre site in Oak Ridge, Tennessee, focusing on scientific initiatives to research health risks from occupational hazards, assess environmental cleanup, respond to radiation medical emergencies, support radiation medical emergencies, support national security and emergency preparedness, and educate the next generation of scientists. ORISE is managed by Oak Ridge Associated Universities. ORISE provides services and products that support the development, implementation, and maintenance of international health studies and the Former Worker Program screening and medical examinations for former employees who are at risk for chronic beryllium disease due to their work at DOE and analysis of data obtained on these individuals; provide technical support to the Office of Health in the areas of data management, quality assurance, analysis, report preparation, and program implementation at sites. Provides support in the administration, training, materials and follow-up services for the Office of Health activities including conferences, workshops, and training materials. ORISE is the data center for processing illness and injury surveillance data from across the complex in support of the Office of Health. ORISE provides data gathering and analysis services that support development of human reliability program polices for the medical and psychological fitness of individuals occupying safety or security sensitive positions.

Oak Ridge National Laboratory

Oak Ridge National Laboratory (ORNL), Roane County, Tennessee, is a multi-program science and technology laboratory. Scientists and engineers at the laboratory provide specialized technical expertise in environment, safety, and health activities; and restoration and protection of the environment. The laboratory provides specialized technical expertise in the development of risk-based, integrated worker safety programs through the development of input and resource information for various technical standards and guides. ORNL provides services and products that support the development, implementation, and maintenance of international health studies, design and development of descriptive epidemiologic review of defined health data, and the development of effective health communications systems. Provides support in the administration, training, materials, and follow-up services for the Office of Health activities including conference, workshops, and training materials. ORNL participates in the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data in support of the Office of Health.

Y-12 Site Office

Y-12, located about two miles southwest of Oak Ridge, Tennessee, provides technical support to the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data, in support of the Office of Health.

Pacific Northwest National Laboratory

Pacific Northwest National Laboratory (PNNL), Richland, Washington, develops and delivers new and effective environment, safety, and health technologies. PNNL provides technical support in preparing policies, procedures, and guides, as well as developing materials that address the process and protocols that are used for program implementation, planning, analysis of evaluation results and trends, and compilation of policy issues related to the evaluations. PNNL provides support to the international health studies program. Over the past 10 years, PNNL has supported DOE's Systematic Planning and Data Quality Objectives (DQO) initiatives. This project has evolved from general DQO training and implementation support to tools development and specific training on tools and approaches to systematic planning. DOE sponsored the initial developments of Visual Sample Plan (VSP), a software tool that ensures the right type, quality, and quantity of data are obtained to support confident decisions. VSP has evolved into a multi-agency toolkit supported by DOE, EPA, DoD, and DHS. This site ensures that effective safety policies and procedures guide the operations of DOE facilities. This site also facilitates access to cumulative dosimetry data and information resulting from studies of historical releases of contaminants that traveled off site from DOE facilities (environmental dose reconstructions). PNNL provides technical support to the Illness and Injury Surveillance Program through assistance in developing methods to estimate cumulative dosimetry exposures for current workers.

Ohio Field Office

The Department of Energy's Ohio Field Office includes five sites, four in Ohio and one in New York. Its primary mission includes overseeing the five project offices responsible for environmental restoration, waste management, and nuclear material and facility stabilization. In addition, this site researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E. Fluor Fernald is one of the five project offices responsible for environmental restoration, waste management, and nuclear material and facility stabilization. The Fernald site participates in the Office of Health programs and provides access to site records and information for use in occupational and public health studies being performed by the Department of Health and Human Services under their Memorandum of Understanding with DOE. Fernald participates in the Illness and Injury Surveillance Program through the collection and transmission of worker health and demographic data in support of the Office of Health.

Richland Operations Office

Richland Operations Office, Richland, Washington, manages waste products; develops, applies, and commercializes technologies; manages environment, safety, and health activities; and supports cleanup and environmental restoration at the Hanford site. In addition, this site researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

Hanford Site

This site is located in Richland, Washington and manages environment, safety and health activities and supports cleanup and environmental restoration at the Hanford site. The Analytical Services Program work with Bechtel Hanford, Inc. supports the development of software development toolkits to assist Departmental field element sites in its environmental remediation and clean-up decision-making and implementation. The Visual toolkit enables environmental professionals to use the Data Quality Assessment process to make defensible, cost-effective decisions as simply as possible. This site ensures that effective safety policies and procedures guide the operations of DOE facilities.

AdvancedMed - Hanford

This site is located in Richland, Washington on the Hanford Site and supports the Operations Office. AdvancedMed – Hanford participates in the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data in support of the Office of Health. AdvanceMed also coordinates with the University of Washington to offer a resource to current Hanford Tank Farm workers for independent medical screening.

Rocky Flats Field Office

Rocky Flats is a former nuclear weapons facility located approximately 16 miles northwest of Denver, Colorado. Rocky Flats no longer has a production mission. Its mission now is to clean up its nuclear and chemical contamination while decommissioning the site. This site also researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

Savannah River Operations Office

Savannah River Operations Office, Aiken, South Carolina, serves national interest by ensuring that programs, operations, and resources at the Savannah River Site are managed in a safe, open, and cost-effective manner to: support current and future national security requirements and conduct mission-supportive research. Savannah River Operations and the contractors operating the Savannah River Site support the Office of Health, provide access to site records and information for use in occupational and public-health related studies being performed by the Department of Health and Human Service under their Memorandum of Understanding with DOE. Savannah River Site supports the Office of Health through participation in the Illness and Injury Surveillance Program. This site also researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

Washington Headquarters

The Office of Environment, Safety and Health (EH) Headquarters, located in the Washington, D.C. area, supports the EH mission by funding Federal staff responsible for directing, administering, and supporting the EH program in the areas of facility safety, corporate performance assessment, health, enforcement, and worker advocacy. In addition, Federal staff is responsible for management, policy, personnel, technical/administrative support activities, budget, finance, and contracts.

Environment, Safety and Health (defense)

Funding Profile by Subprogram

(dollars in thousands)

	FY 2004 Comparable Appropriation	FY 2005 Original Appropriation	FY 2005 Adjustments	FY 2005 Comparable Appropriation	FY 2006 Request
Environment, Safety and Health					
Corporate Safety Programs.....	9,032	10,883	-75	10,808	10,883
Health.....	64,335	55,222	-381	54,841	45,600
Employee Compensation Program..	46,846	43,000	-297	42,703	0
Total, Environment Safety and Health.....	120,213	109,105	-753	108,352	56,483
Less Use of Prior-Year Balances.....	-500	-15,000	0	-15,000	0
Total, Environment Safety and Health.....	119,713	94,105	-753	93,352	56,483

Public Law Authorizations:
Public Law 83-703, "Atomic Energy Act of 1954", as amended
Public Law 100-408, "Price-Anderson Amendments Act of 1988"
Public Law 106-398, "Energy Employees Occupational Illness Compensation Program Act of 2000"
Public Law 103-337, "National Defense Authorization Act of 1995"
Public Law 108-188, "Compact of Free Association Amendments Act of 2003"
Public Law 99-239, "Compact of Free Association Act of 1985"
Public Law 95-134, "Marshall Islands (Related to Rongelap and Utirik Atolls)"
Public Law 96-205, "Trust Territory of the Pacific Islands"
Public Law 95-91, "Department of Energy Organization Act"
Public Law 103-62, "Government Performance and Results Act of 1993"
42 U.S.C. Section 7274 "Program to Monitor DOE Workers Exposed to Hazardous and Radioactive Substances"

Mission

The mission of the Office of Environment, Safety and Health (EH) is to provide leadership and Departmental direction through line programs to protect the workers, the public, and the environment.

Benefits

Within the Other Defense Activities appropriation, EH plays a key role in achieving the Department's mission. A commitment to excellence is achieved by continuously striving for improvement through: developing meaningful programs and policies; enforcing nuclear safety as well as new occupational safety and health regulations; conducting reviews of environment, safety, and health performance; providing technical services, and information sharing; and ensuring quality assurance programs, including policies and standards, are in place and functioning properly across the Department. Open communication, participation, and performance feedback on EH activities from affected parties are integral to EH's success. The hallmark and highest priority of all EH activities is daily excellence in the protection of workers, the public, and the environment.

Corporate Safety Programs

Funding Schedule by Activity

(dollars in thousands)

	FY 2004 Comparable Appropriation	FY 2005 Comparable Appropriation	FY 2006 Request	$ Change	% Change
Corporate Safety Programs.....	3,946	5,325	5,400	+75	1.4%
Radiological and Environmental Sciences Laboratory.....	3,800	4,174	4,174	0	0.0%
Analytical Services Program.....	1,286	1,309	1,309	0	0.0%
Total, Corporate Safety Programs....	9,032	10,808	10,883	+75	0.7%

Description

Corporate Safety Programs serve a crosscutting safety function for the Department and its stakeholders in assuring excellence and continuous improvement in environment, safety and health in the conduct of its missions and activities. Elements that comprise Corporate Safety Programs are: Performance Assessment, the Quality Assurance Program, Information Management, the Facility Safety Program, Price Anderson Enforcement, Radiological and Environmental Sciences Laboratory, and the Analytical Services Program.

Benefits

This program conducts activities that are critical to the Department's ability to monitory the status of environment, safety and health across the complex; to proactively identify and resolve emerging safety issues and adverse trends; and to assure continuous improvement in the protection of workers, communities, and the environment from the hazards associated with changing DOE missions and activities. The program also serves our national security mission by assuring the effective integration of safety and success of mission programs, including security of our energy infrastructure, research and development, stockpile stewardship, and accelerated cleanup of DOE's excess sites and environmental contamination.

Detailed Justification

	(dollars in thousands)		
	FY 2004	FY 2005	FY 2006
Corporate Safety Programs.....	**3,946**	**5,325**	**5,400**

Corporate Safety Programs include funding for the ES&H Performance Assessment Program, the Quality Assurance Program, Information Management, the Facility Safety Program and Price Anderson Enforcement.

The Performance Assessment Program provides analysis and certification of DOE's performance in protecting the public, workers, and the environment by synthesizing operational information to support decision-making and continuous ES&H improvement across the DOE complex. This program supports the setting of ES&H performance expectations, performance measurements, continuous improvement, and implements an enhanced operating experience/lessons learned program in response to Defense Nuclear Facilities Safety Board Recommendation 2004-1. This Operating Experience Program will be crucial in the Department's follow-up to internal and external accidents and events such as the Columbia Shuttle Accident and Davis-Bessie Reactor Vessel Head Corrosion Event. This program is also responsible for the Suspect/Counterfeit Items identification and investigation process. This activity is also an ongoing high priority commitment made to the Defense Nuclear Facilities Safety Board by the Secretary.

The Quality Assurance Program was established in FY 2003 to address corporate quality assurance issues identified by the General Accounting Office, Defense Nuclear Facilities Safety Board, and other quality assurance issues in the Department. The Office of Quality Assurance Programs provides DOE corporate leadership that includes quality assurance information, corporate policy and guidance, and certification to support DOE mission accomplishment across the DOE complex. This program establishes requirements and policies to support existing activities such as High Efficient Particulate Air (HEPA) filter testing, central registry for safety related computer software, and the DOE Self-Assessment Certification Program

In FY 2006, the Office of Environmental Management will transfer the management of HEPA filter testing services responsibilities to the Office of Environment, Safety and Health. The Filter Test Facility will improve the Department's quality assurance function to serve all Departmental programs. DOE has committed to conduct 100 percent independent testing of HEPA filters installed in safety systems (safety class and safety significant) and habitability systems. The Office of Environmental Management FTF operations resulted in an average of 2,600 filters tested annually from DOE nuclear facilities. The FTF operation is necessary because of the critical nature of the filter usage in DOE facilities in mitigating radioactive exposure to the public, workers and the environment. DOE-STD-3020-97, Specifications for HEPA Filters Used by DOE Contractors, requires that each filter be tested by both the manufacturer and FTF.

Information Management is a critical component of corporate safety programs. This program provides both web pages and web-based database systems. These systems will be re-engineered for efficiency by consolidating existing databases and utilizing the latest technological capabilities to distribute

(dollars in thousands)		
FY 2004	FY 2005	FY 2006

information, including health studies communications management capability and web-based health studies status.

To address immediate ES&H issues in the Department, the Facility Safety Program performs appraisals including accident investigations, facility authorizations bases, and safety allegations. Special safety reviews are conducted for nuclear hazards, criticality safety, seismic analysis, fire protection, emergency operations, facility design, and the startup and restart of facilities.

The EH Enforcement program carries out the statutory mandate of the Price-Anderson Amendments Act (PAAA) of 1988 to enforce compliance with Code of Federal Regulations nuclear safety requirements at DOE sites and enforcement of the Worker Occupational Safety and Health Rule.

Corporate Safety Programs also includes funding for the Radiological and Environment Sciences Laboratory and the Analytical Services Program as follows:

Radiological and Environmental Sciences Lab..... 3,800 4,174 4,174

The Radiological and Environmental Sciences Laboratory (RESL) is a reference laboratory that conducts performance evaluation and accreditation, provides technical support and measurement, and quality assurance methodologies to programs such as the DOE Laboratory Accreditation Program, the Mixed Analyte Performance Evaluation Program, and other analytical chemistry services. The responsibility to operate RESL was transferred from EM to EH in FY 2004.

Analytical Services Program..... 1,286 1,309 1,309

The Analytical Services Program ensures that environmental analytical laboratory data is of high quality and reliability and assures that analytical data is technically and legally defensible. The program supports EH's information investments to meet the need for the Environmental Management Consolidated Audit Program for auditing commercial laboratories.

Total, Corporate Safety Programs..... 9,032 10,808 10,883

Explanation of Funding Changes

	FY 2006 vs. FY 2005 ($000)
■ Corporate Safety Programs – No significant change……	+75
Total Funding Change, Corporate Safety Programs.....	**+75**

Health Programs

Funding Schedule by Activity

(dollars in thousands)

	FY 2004 Comparable Appropriation	FY 2005 Comparable Appropriation	FY 2006 Request	$ Change	% Change
Health					
Radiation Effects Research Foundation (RERF).....	13,500	14,000	14,000	0	+0.0%
Marshall Islands.....	6,300	6,000	6,000	0	+0.0%
Other Health Programs.....	44,535	34,841	25,600	-9,241	-26.5%
Total, Health.....	64,335	54,841	45,600	-9,241	-16.9%

Description

Health programs has three major areas: the Radiation Effects Research Foundation, Marshall Islands, and Other Health Programs. Ongoing activities and programs include the Former Worker Program (a nationwide program of medical screening to identify work related health affects); Health Studies (to investigate and identify work related injury and illness in the DOE worker population and populations surrounding DOE sites); International Health Studies (support for ongoing health studies in Russia, Spain and Japan, as well as health care and resettlement activities in the Marshall Islands); and Worker Safety and Health and Occupational Medicine Programs (to publish DOE worker safety and health and occupational medicine program performance expectations and promote preventive medicine)

Benefits

The Health benefits include the establishment and enhancement of the scientific basis for developmental, national and international worker protection policy and standards that provide levels of protection appropriate for the risk posed by hazards present at DOE sites.

Detailed Justification

(dollars in thousands)		
FY 2004	FY 2005	FY 2006

Radiation Effects Research Foundation..... 13,500 14,000 14,000

Under a bi-National agreement between the U.S. and Japan, the Radiation Effects Research Foundation (RERF) epidemiologic studies and medical surveillance program provides for the life span study of Hiroshima and Nagasaki exposed population. The results of these studies create the scientific basis for standards setting bodies to establish national and international worker, public and environmental radiation protection policy. In FY 2005, Japan program scientists completed the third fundamental revision of doses and radiation risk estimates for use by the radiation protection standards setting community. In FY 2006, recommendations will be made for radiation protection standards based on data from the revised doses.

Marshall Islands..... 6,300 6,000 6,000

The request funds Public Laws 99-239 and 108-188, the Compact of Free Association between the U.S. and Republic of the Marshall Islands. The Health program includes a special medical care program for a limited group of radiation–exposed individuals in the Marshall Islands and support for the resettlement of displaced populations. In FY 2005, the special medical program provided annual medical screening examinations and cancer care to about 200 people; the environmental monitoring program focused on completing briefing documents on the current radiological status of the four atolls included in the program. In FY 2006, the medical program will continue to provide annual examinations and cancer care; a major environmental mission to Bikini, Enewetak, and Rongelap Atolls will collect samples to assist atolls in resettlement decision-making.

Other Health Programs..... 44,535 34,841 25,600

Other Health Programs includes funding for Occupational Health, Public Health, Epidemiological Studies, and International Health Studies.

(dollars in thousands)

	FY 2004	FY 2005	FY 2006
▪ **Occupational Health…..**	**15,150**	**12,500**	**12,500**

The Former Worker Program supports the Office of Health Studies mission and strategic response by evaluating the effects of DOE's past operations on the health of former workers. Teams of health experts independently evaluate DOE site hazards and exposures, and offer medical screening to former workers who may be at significant risk for occupational diseases. In FY 2005, the Former Worker Program has been restructured to provide services to workers not already covered by the pilot projects, and initiated a 2-year expansion of medical screening services to all former workers throughout the DOE complex through a combination of: 1) new site-specific projects at several defense nuclear facilities that had not yet been served; and 2) a new nationwide program to serve former workers from other DOE sites. The Radiation Emergency Accident Center/Training Site (REAC/TS) maintains the capability to provide rapid response medical expertise and training to address radiological accidents. In FY 2005, REAC/TS has developed telemedicine capabilities in Oak Ridge for emergency response coordination and expanded training programs, as well as identify resource needs to reestablish the only national capability to conduct cytogenetic studies in response to a radiological incident. In FY 2006, REAC/TS will fully implement the telemedicine capability and investigate expansion of the program to other DOE sites. REAC/TS will reinstitute the capability to conduct cytogenetic studies to be able to quickly determine an individual's radiation dose in the event of a radiological or dirty bomb event.

▪ **Public Health……..…**	**14,610**	**6,700**	**6,700**

The Public Health program supports independent epidemiologic studies relevant to DOE workers and neighboring communities by the National Institute for Occupational Safety and Health (NIOSH), the National Center for Environmental Health (NCEH), and the Agency for Toxic Substances and Disease Registry (ATSDR) through a Memorandum of Understanding with the Department of Health and Human Services. These studies inform the DOE and stakeholders of adverse health effects that DOE operations may have had on DOE workers and the public. In FY 2005, Department of Health and Human Services completed six studies of cancer including a study of chronic lymphatic leukemia, several environmental dose reconstruction projects, and five Public Health Assessments. In FY 2006, a facility record review of Los Alamos National Laboratory will be completed as the first stage in determining if an environmental dose reconstruction is warranted; and Public Health Assessments for the Savannah River and the Oak Ridge facilities will be published.

	(dollars in thousands)		
	FY 2004	FY 2005	FY 2006

- **Epidemiological Studies……..…** **3,295** **3,100** **3,100**

  Epidemiologic Studies collect both health and exposure data to document and demonstrate effects of radiation and other hazards to current DOE workers and the public and to validate current Departmental protection policies. The Illness and Injury Surveillance program provides an ongoing assessment of the health of current DOE contractor workers and provides a mechanism to address health concerns of these workers. The U.S. Transuranium Registries assure the accurate determination of worker radiation exposures through the analysis of donated organs and tissues of deceased worker with internal depositions of transuranic material. Analysis of these data increases global knowledge and understanding of radioactive materials in humans to allowing for increased accuracy of determining worker radiation dose from internal exposures. This information is critical to the establishment of national and international worker radiation protection policy concerning worker dose limits associated with transuranic exposure.

- **International Health Studies……** **4,765** **3,300** **3,300**

  The International Health Studies program supports the upgrading and validation of our knowledge of radiation health effects among workers and populations exposed to ionizing radiation as a result of accidents or environmental contamination in the former Soviet Union, and Spain. Under bi-National agreements between the U.S. and the Russian Federation, the DOE and the National Cancer Institute jointly sponsor four international studies to determine any adverse health effects from exposure to radiological contamination from Chernobyl on the populations of Belarus, Ukraine, and cleanup workers. Epidemiologic studies of Russian workers at the Mayak Production Facility and other facilities in Russia identify exposure levels where adverse health effects on a large worker population exposed to low and moderate levels of radiation and support the establishment of international and national radiation protection standards and policy. Under a bi-National agreement, the DOE and Spain jointly sponsor Project Indalo, which provides support for medical surveillance and environmental monitoring of the spread of plutonium contamination due to a USAF aircraft accident over Spain.

  In FY 2005, the Russian Health Studies program published new dose estimates for Mayak facility workers and a study of leukemia among Chernobyl liquidators. The Spain program completed a review of the annual scientific program for Project Indalo. In FY 2006, the Russian Health Studies program will publish updated cancer risk estimates for specific tissues and seek FDA approval for a new blood test to measure radiation exposure.

	(dollars in thousands)		
	FY 2004	FY 2005	FY 2006
▪ **Congressionally Directed Activities…….** Funding for the following projects was directed by Congress to be included: DOE Worker Records Digitization Project in Nevada; medical monitoring at the Gaseous Diffusion Plants at Paducah, Kentucky, Portsmouth, Ohio, and Oak Ridge, Tennessee; Iowa Army Ammunition Plant assistance in collecting requisite medical records and completing claims for workers and retirees; beryllium screening and outreach program for workers employed at vendors in the Worchester, Massachusetts area who supplied beryllium to the Atomic Energy Commission; University of Washington's Former Hanford Production Workers Medical Screening Program; and medical screening for current Hanford tank farm workers consistent with the July 2004 NIOSH Health Hazard Evaluation Report.	**6,715**	**9,241**	**0**
Total Health…….....	**64,335**	**54,841**	**45,600**

Explanation of Funding Changes

	FY 2006 vs. FY 2005 ($000)
Other Health Programs	
■ Eliminates funding for Congressionally directed activities…..……..….	-9,241
Total Funding Change, Health Programs.....	**-9,241**

Employee Compensation Program

Funding Schedule by Activity

(dollars in thousands)

	FY 2004 Comparable Appropriation	FY 2005 Comparable Appropriation	FY 2006 Request	$ Change	% Change
Employee Compensation Program.....	46,846	42,703	0	-42,703	-100.0%
Total, Employee Compensation Prog.	46,846	42,703	0	-42,703	-100.0%

Description

In FY 2006, the Employee Compensation Program will continue record search activities in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act (EEOICPA) Part E.

Benefits

Record search activities are necessary for employment verification and documentation of exposures to toxic substances as well as information on toxic substances in use at DOE facilities.

Detailed Justification

(dollars in thousands)

	FY 2004	FY 2005	FY 2006
Employee Compensation Program.....	**46,846**	**42,703**	**0**

In FY 2005, Congress passed the Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005 (Public Law 108-375) which directed that Part D of the original EEOICPA be absolved and established Part E. In FY 2006, the Employee Compensation Program will continue record search activities in support of the Department of Labor's implementation of EEOICPA Part E. Record search activities are necessary for employment verification and documentation of exposures to toxic substances as well as information on toxic substances in use at DOE facilities. These activities will be funded using prior-year carryover ($9 million).

Total, Employee Compensation Program.....	**46,846**	**42,703**	**0**

Explanation of Funding Changes

	FY 2006 vs. FY 2005 ($000)
Employee Compensation Program	
■ FY 2006 activities will be funded using prior-year carryover……	-42,703
Total Funding Change, Employee Compensation Program.....	**-42,703**

Program Direction

Funding Profile by Category

(dollars in thousands/whole FTEs)

	FY 2004 Comparable Appropriation	FY 2005 Comparable Appropriation	FY 2006 Request	$ Change	% Change
Idaho Operations Office					
Salaries and Benefits	293	318	332	+14	+4.4%
Travel	6	6	6	0	+0.0%
Other Related Expenses	1	1	1	0	+0.0%
Total, Idaho	300	325	339	+14	+4.3%
Full Time Equivalents	2	2	2	0	0.0%
Radiological and Environmental Sciences Laboratory					
Salaries and Benefits	2,645	2,623	2,611	-12	-0.5%
Travel	50	47	46	-1	-2.1%
Other Related Expenses	5	5	4	-1	-20.0%
Total, RESL	2,700	2,675	2,661	-14	-0.5%
Full Time Equivalents	18	17	16	-1	-5.9%
Headquarters					
Salaries and Benefits	19,531	16,902	17,200	+298	+1.8%
Travel	302	287	285	-2	-0.7%
Other Related Expenses	120	62	61	-1	-1.6%
Total, Headquarters	19,953	17,251	17,546	+295	+1.7%
Full Time Equivalents	120	112	109	-3	-2.7%
Total Program Direction					
Salaries and Benefits	22,469	19,843	20,143	+300	+1.5%
Travel	358	340	337	-3	-0.9%
Other Related Expenses	126	68	66	-2	-2.9%
Total, Program Direction	22,953	20,251	20,546	+295	+1.5%
Full Time Equivalents	140	131	127	-4	-3.1%

Mission

Program Direction in the Other Defense Activities account provides overall direction and support for the Office of Environment, Safety and Health (EH) defense programs to ensure that all operations are conducted in the most efficient and effective manner.

As stated in the Departmental Strategic Plan, DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission. Environment, Safety and Health performs critical functions which directly support the mission of the Department. The Office of Environment, Safety and Health performs critical functions which directly support the mission of the Department. These functions include funding for a Federal staff that has the technical expertise to carry out the essential EH mission. The EH mission requires experts to develop overall environment, safety, and health policy for DOE sites and facility operations; to provide a central and coordinated source of scarce technical expertise to all field DOE; provide a central clearing house for information, analysis and feedback regarding new efforts, present activities, and unforeseen occurrences taking place at the multitude of diverse facilities within the DOE complex; provide the Department with the capability, as well as health studies endeavors; and to perform activities relative to environment, safety, and health programs across the DOE complex. Program Direction includes funding to support RESL and the Analytical Services Program staff; all costs of transportation, subsistence, and incidental expenses for EH's Federal employees in accordance with Federal Travel Regulations and training for EH Federal staff.

Detailed Justification

	(dollars in thousands)		
	FY 2004	FY 2005	FY 2006
Salaries and Benefits.....	**22,469**	**19,843**	**20,143**

Salaries and Benefits reflect the FTE split between Energy Supply and Other Defense Activities. This category funds full-time permanent and other than full-time permanent employees' salaries, overtime pay, cash incentive awards, lump sum leave payments, Senior Executive Service, other performance awards, and payments to the worker's compensation.

Travel.....	**358**	**340**	**337**

EH travel requirements are in line with the EH Federal staff levels and currently estimated mission essential travel needs.

Other Related Expenses.....	**126**	**68**	**66**

This category provides for the essential training activities as well as Working Capital Fund expenditures. The Working Capital Fund covers non-discretionary costs such as space utilization, computer and telephone usage, mail service, supplies and electronic services. Funding also supports EH office expenditures for printing and reproduction, telecommunication needs, ADP maintenance and training for Federal staff, including the training course registration fees for EH Federal employees. Provides training and course registration costs for EH employees.

Total, Program Direction.....	**22,953**	**20,251**	**20,546**

Explanation of Funding Changes

	FY 2005 vs FY 2006 ($000)
Salaries and Benefits	
▪ Reflects government-wide increase for pay and personnel related costs for 127 EH full-time equivalent employees……	+906
▪ Reflects salary and benefit costs avoided by reducing the EH workforce by 4 FTEs……..	-606
Travel	
▪ Reflects the government-wide 2% non-pay increase (+$7) and travel costs avoided by reducing the EH workforce by 4 FTEs (-$10)……..	-3
Other Related Expenses	
▪ Reflects other costs avoided reducing the EH workforce by 4 FTEs……	-2
Total Funding Change, Program Direction…….	**+295**

Other Related Expenses by Category

(dollars in thousands)

	FY 2004	FY 2005	FY 2006	$ Change	% Change
Other Related Expenses					
Training.....	126	68	66	-2	-2.9%
Total, Other Related Expenses.....	126	68	66	-2	-2.9%